



COMMONWEALTH OF VIRGINIA
Department of Mines, Minerals and Energy
Division of Mined Land Reclamation

Russell Prater Creek TDS Wasteload Report 2017-Q1

04-01-2016 to 03-31-2017

Watershed Information

Stressor:	TDS	Watershed Acres:	16,388
Wasteload Allocation:	962,133	Watershed Permits:	5
EPA TMDL Approval Date:	6/22/2006	Watershed Outfalls:	20

Watershed Wasteload and Reduction Summary¹

	Pre-TMDL Wasteloads ²	Post-TMDL Wasteloads ³	Total
Wasteload Allocation Available ⁴	962,133	0	962,133
Wasteload ⁵	1,337,332	311,136	1,648,468
Wasteload Balance	-375,199	-311,136	-686,335
Wasteload Reduction Required ⁶	375,199	311,136	686,335
Percent Reduction Required ⁷	28.1 %	100.0 %	41.6 %

¹ Wasteload units are in kg/year unless otherwise noted.

² Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

³ Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

⁴ The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

⁵ Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

⁶ In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

⁷ The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

Permit Wasteload and Reduction Summary⁸

Permit Number	Pre-TMDL Wasteload ⁹	Pre-TMDL Reduction Required ¹⁰	Post-TMDL Wasteload ¹¹	Post-TMDL Reduction Required ¹²	Total Wasteload	Total Wasteload Reduction Required
1101946	0	0	0	0	0	0
1101993	0	0	311,136	311,136	311,136	311,136
1302166	3,126	877	0	0	3,126	877
1102164	0	0	0	0	0	0
1102188	1,334,206	374,322	0	0	1,334,206	374,322
Total	1,337,332	375,199	311,136	311,136	1,648,468	686,335

⁸ Wasteload units are in kg/year unless otherwise noted.

⁹ The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

¹⁰ Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

¹¹ The wasteload

¹² Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.